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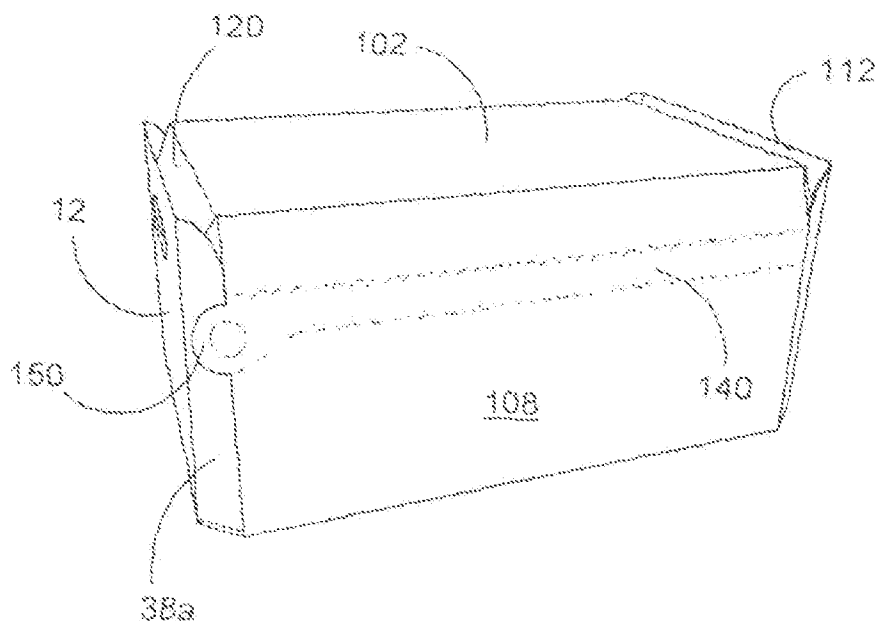
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(54) Title: CARTON AND CARTON BLANK



(87) Abstract: A carton and a blank for forming a carton including a tray portion (10) with an open top and a cover (100) connected to the tray portion (10) to close the top of the tray portion. The tray portion has a pair of opposed end walls (12, 16) each having a hand aperture (54, 62) and the cover (100) has a pair of end flaps (112, 120) disposed internally of the end walls (12, 16) of the tray portion (10). Another aspect of the invention also covers a package, including a carton referred to above and a collapsible carrier (291, 391) retained within the carton.

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*For two-letter codes and other abbreviations, refer to the "Glossary of Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US 03/20216

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the inventions first introduced in the claims; it is covered by claim Nos.:

[ - ]

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-11

1.1. claims: 1-6

A carton including a tray portion with an open top and a cover connected to the tray portion to close the top of the tray portion, wherei the tray portion has a pair of opposed end walls each having a hand aperture and wherein the cover has a pair of end flaps disposed internally of the end walls of the tray portion, and two blanks for forming said carton whereby

the handle has a reinforced protecting structure

1.2. claims: 7-8, 11

A carton including a tray portion with an open top and a cover connected to the tray portion to close the top of the tray portion, wherei the tray portion has a pair of opposed end walls each having a hand aperture and wherein the cover has a pair of end flaps disposed internally of the end walls of the tray portion, and two blanks for forming said carton whereby

the tray portion and cover are formed from first and second separate blanks respectively

1.3. claims: 9-10

A carton including a tray portion with an open top and a cover connected to the tray portion to close the top of the tray portion, wherei the tray portion has a pair of opposed end walls each having a hand aperture and wherein the cover has a pair of end flaps disposed internally of the end walls of the tray portion, and two blanks for forming said carton whereby

a tear strip is provided for opeing the package

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2. claims: 12-28

A package including a carton, articles aranged in rows and accomodated within the carton, a collapsible carrier placed within the carton, and the blanks for realizing this package.

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## INTERNATIONAL SEARCH REPORT

Internat. Application No.  
PCT/US 03/20216

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B65D5/32 B65D5/46 B65D5/54

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 B65D

Documentation

if searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CA 922 280 A (LANGEN MARINUS J M) 6 March 1973 (1973-03-06)	1,4,7,11
Y	page 4, line 25 - page 6, line 18; figures 1-3	8-10
X	US 4 871 067 A (VALENTI DANTE) 3 October 1989 (1989-10-03)	1,4,7,11
X	US 4 037 777 A (MAUGHAN WILLIAM G) 26 July 1977 (1977-07-26)	1-6
Y	GB 2 171 672 A (MEAD CORP) 3 September 1986 (1986-09-03)	9,10
	figure 4	
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "B" earlier document but published on or after the international filing date
- "C" document which may be relevant on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (so specified)
- "D" document relating to an oral disclosure, i.e., exhibition or other means
- "E" document published prior to the international filing date but later than the priority date claimed

"F" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"G" document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"H" document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"I" document member of the same patent family

Date of the actual completion of the international search

20 October 2003

Date of mailing of the international search report

17. 02. 2004

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## INTERNATIONAL SEARCH REPORT

Inter  
Application No.  
PCT/US 03/20216

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages.	Relevant to claim No.
Y	US 4 715 493 A (DREYFUS ROGER) 29 December 1987 (1987-12-29) column 4, line 59 - column 5, line 30; figures 11,12 -----	8
Y,P	EP 1 279 618 A (GOOSSENS BEAUVAIS) 29 January 2003 (2003-01-29) claim 1 -----	8
A	US 5 941 809 A (MCCARTHY LYNN J ET AL) 24 August 1999 (1999-08-24) column 1, line 25 - column 2, line 23; figure 3 -----	3

# INTERNATIONAL SEARCH REPORT

Information on patent family members

Internal application No.

PCT/US 03/20216

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